

Appl. No. 09/821,370  
Amdt. dated Dec. 2, 2003  
Reply to Office Action of 7/02/03

### LISTING OF CLAIMS:

The below listing of claims will replace all prior versions, and listings, of claims in the application. Claim 26 has been amended to include a feature recited in dependent claim 28, as well as an additional feature. Support for amendments to claim 26 is found, *inter alia*, in the specification, at page 8, lines 3-4. Claim 28 has also been amended in accordance with the amendment of claim 26. New claim 30 has added by this amendment. Support for new claim 30 is found, *inter alia*, in the specification, at page 8, lines 3-4. No new matter has been added.

54  
C  
Claim 1 (original): A club head for a golf club, the club head comprising a strike face and an outer shell defining a head volume of the club head, said club head having a first moment of inertia about a first axis that extends generally horizontally and parallel to said strike face, a second moment of inertia about a second axis that lies generally vertically and perpendicular to said first horizontal axis, and a center of gravity, said center of gravity lying below a horizontal centerline of said club head, and said first moment of inertia in units of kilograms millimeters squared is greater than or equal to approximately 77 plus .46 times the head volume in cubic centimeters (cc).

B1  
Claim 2 (original): The club head of Claim 1, wherein the first moment of inertia in units of kilograms millimeters squared ( $\text{kg-mm}^2$ ) is greater than or equal to approximately 107 plus .46 times the head volume in cubic centimeters (cc).

Claim 3 (original): The club head of Claim 1, wherein said center of gravity lies more than 1 millimeter below the horizontal centerline.

Claim 4 (original): The club head of Claim 3, wherein the first moment of inertia in units of kilograms millimeters squared ( $\text{kg-mm}^2$ ) is greater than or equal to approximately 107 plus .46 times the head volume in cubic centimeters (cc).

Claim 5 (original): The club head of Claim 1, wherein said club head has a mass less than 250 grams.

Appl. No. 09/821,370  
Amdt. dated Dec. 2, 2003  
Reply to Office Action of 7/02/03

Claim 6 (original): The club head of Claim 1, wherein said club head has a mass less than 230 grams.

Claim 7 (original): The club head of Claim 1, wherein said club head has a mass less than 210 grams.

Claim 8 (original): The club head of Claim 1, wherein said club head further includes a hosel and said center of gravity is located between 12 and 25 millimeters from an axis that lies along the center of said hosel.

C  
B1  
Claim 9 (original): The club head of Claim 1, wherein said club head further includes a hosel and said center of gravity is located between 16 and 20 millimeters from an axis that lies along the center of said hosel.

Claim 10 (original): The club head of Claim 1, wherein said club head further includes a hosel and said center of gravity is located between 17 and 18 millimeters from an axis that lies along the center of said hosel.

Claim 11 (original): The club head of Claim 1, wherein said head volume is greater than 300 centimeters cubed.

Claim 12 (original): The club head of Claim 11, wherein said club head further includes a hosel and said center of gravity is located between 12 and 25 millimeters from an axis that lies along the center of said hosel.

Claim 13 (original): The club head of Claim 11, wherein said club head further includes a hosel and said center of gravity is located between 16 and 20 millimeters from an axis that lies along the center of said hosel.

Claim 14 (original): The club head of Claim 11, wherein said club head further includes a hosel and said center of gravity is located between 17 and 18 millimeters from an axis that lies along the center of said hosel.

Appl. No. 09/821,370  
Amdt. dated Dec. 2, 2003  
Reply to Office Action of 7/02/03

Claim 15 (original): The club head of Claim 1, wherein said head volume is less than 200 centimeters cubed.

Claim 16 (original): The club head of Claim 15, wherein said center of gravity lies more than 2 millimeters below the horizontal centerline.

Claim 17 (original): The club head of Claim 15, wherein said club head further includes a hosel and said center of gravity is located between 12 and 25 millimeters from an axis that lies along the center of said hosel.

Claim 18 (original): The club head of Claim 15, wherein said club head further includes a hosel and said center of gravity is located between 16 and 20 millimeters from an axis that lies along the center of said hosel.

Claim 19 (original): The club head of Claim 15, wherein said club head further includes a hosel and said center of gravity is located between 17 and 18 millimeters from an axis that lies along the center of said hosel.

Claim 20 (previously amended): The club head of Claim 1, wherein said second moment of inertia is greater than 250 kilograms per-square millimeters squared.

Claim 21 (previously amended): The club head of Claim 1, wherein said second moment of inertia is greater than 300 kilograms per-square millimeters squared.

Claim 22 (original): The club head of Claim 1, wherein said club head includes a plurality of weights.

Claim 23 (original): The club head of Claim 22, wherein said plurality of weights lie along a front/back axis that extends generally perpendicular from said strike face.

Claim 24 (original): The club head of Claim 22, wherein said plurality of weights lie below said horizontal centerline.

Claim 25 (original): The club head of Claim 24, wherein said plurality of weights also lie along a front/back axis that extends generally perpendicular from said strike face.

Appl. No. 09/821,370  
Amdt. dated Dec. 2, 2003  
Reply to Office Action of 7/02/03

CONT-10  
C  
B1

Claim 26 (currently amended): A club head for a golf club, the club head comprising a strike face, an outer shell defining an interior volume, ~~said a plurality of weights being positioned substantially about a front/back axis that extends generally perpendicular from said strike face and also being positioned entirely below a horizontal centerline of said club head, wherein the volume of said club head is greater than or equal to 200 cubic centimeters (cc) and said plurality of weights comprise 10 percent to 40 percent of said total mass.~~

Claim 27 (original): The club head of Claim 26, wherein said club head further includes a sole plate and said plurality of weights are secured to said sole plate.

Claim 28 (currently amended): The club head of Claim 26, wherein said club head has a total mass of between 180 and 250 grams ~~and said plurality of weights comprise 10 percent to 40 percent of said total mass.~~

Claim 29 (original): The club head of Claim 26, wherein said club head has a total mass of between 180 grams and 250 grams and said plurality of weights comprise 25 percent to 50 percent of said total mass.

Claim 30 (new): The club head of Claim 26, wherein said club head has a volume greater than or equal to 300 cubic centimeters (cc).